

## ABSTRACT OF THE DISCLOSURE

A processing system includes microcomputers A, B. A rewrite program for the microcomputer A includes a transfer routine for transferring a rewrite program for the microcomputer B. When a program rewrite unit outputs the rewrite program for the microcomputer B, the microcomputer A executes the transfer routine to transfer the rewrite program for the microcomputer B. A boot program of each microcomputer thereby needs to be not modified even when a flash memory storing the boot program of the microcomputer B is replaced with a mask ROM or the like. This enables the processing system to flexibly meet various applications.